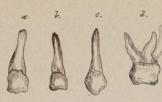
An Essay The teeth and their relation to the Human Economy" . Respectfully submitted to the . Thaculty Homoeopathie Medie al College Pennsylvania, On the First day of Browning One Thousand Eight hundred and fifty seven J. G. Stehman, Pennsylvania.

L. Lalezal Incisor.

or Central Incisor.

c. Canine.

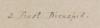
d. First Molar



€. Second Molar.



TEMPORARY TEETH.

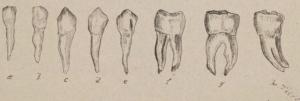


e. Second Biouspid.



7. Lateral Incisor.

g. Second Molar.



PERMANENT TEETH.

1887. a. Cost of Incis of.

The Geeth and Relation to the Human Economy T. G. Rehman 1857

The teeth and their Relation to the Ituman Economy.

The teeth have been by some and omist, classed with the bone, but as they differ both in structure and development from bone, they are not any longer considered as such but, as appendages of the digestive, apparatus.

The peculiarities, which disting quish them from bone are these: The bone, are entirely unknown to the teeth; I key have no Haversian canals; they are composed of three substances two resembling bone, and the other wholly unlike it called Enamel; the issifice portion of the teeth has more earthy matter than bone, and the enamel has no getative.

Man has two successions of teethe the first are confined to childhood, and are called temporary, or decidnous, the second belong to manhood, and continue to da age, these are called permanent.

ty, and are divided into three classes eight incisors, four canine, and eight

molay, the permanent number thirty two, and are divided into four classes eight incisey, four canine, eight being pids, and twelve, enday.

each tooth is divided, into a crown; neck, and root or fang, the crown is that portion above the gum, the root; that, which is received in the alreday socket, and the neck is the constricted portion connecting the two.

She teeth are composed of three different substances, (as mentioned heretofor) Vij- Sentine or tooth way. Enamel, and Comentum.

The dentine constitutes the quatest part of the tooth, and differs from lone

in having less animal matter and degtitute of medulla, blood vessely Haversian canaly se.

The Enamel formy the crust covering the crown, being thickest on the top tape ering gradually towards the root at its terming the termina commency, gradually thickening to the apey of the fang, and also lines the tipper wall of the earitag pulpae.

At the base of the crown, of all the teeth, there is a cavity which is cabled the cavity pulper, being continuous with the can can all that opens at the apex of each fang; in this cavity is a pulperhicker cieves its vessely and newes through said can al.

The rudinents of the teeth have been seen, as early as the seventh week of where gest ation, when the gering of the first decidnong molars can be seen assuming the form of a granular papilla, situated in the absedue grove, bounded anteriorly, by the anterior absedue ridge, posteriorly by the posterior abreday ridge.

the geing of all the decidnon teth ean be distinctly seen; these granular papilla in progress of development as sume the character of pulp, and complete their form about the fourth or fifth month of where gestation, when fully formed, constant depositions of dentine take place, in the direction of the fang

on the surface of the pulp untill the structure is completed from without inwards.

ine. the lamina will have the shape of a cone, if a modar it will have as many cone as there are subenles.

The enamel is formed semultaneous by with the way, assuming the form of a laminated tissue, by the crystaline substance being secreted into the meshes of the vascular living membrane, of the sack, from the centre of the crown to the circumference, being directly opposite to that of the dentine.

by a secretion of the inner sack, which envelopes the fang, acting as its persosteum.

When the crown of the tooth is formed covered with enamel, and the fanggrowon to the bottom of the socket, it there by

its pressure causes the reflected portion of the sack, and tooth to approach each other and the latter to pass through it and

the gums.

This sack is formed by the much membrane being carried before the aborolar ridges, approaching each other, they form a follicular sack enveloping the papilla, the opening is closed finally by operentary

Such has assumed its original follierlar form, being continuous with the mucing membrane of the mouth, this sack then

forging to snorten more rapidly than the forg growy, whereby the tooth is more quickley drawn up, leaving an open space between the implimited root, and the bottom of the socket, in which the completion is more speedily affected.

Between the decidnous, and permanent teeth a connection wists (the Enternalulum dentis) at an early period of formalien of the Societions tooth, its investing membrane or sack gives off, ar process
on bud containing a partion of the pulp
of the parent sack, this constitutes the indiment of the permanent tooth.

This process assume a distinct form, though still connected to the parent sack by a pedunde, which becomes less essuntial as the progress of development govern.

and is finally atrophied to a muce thread, when in this state it is considered as a gutternaculum to the permanent tooth by some anatomists.

The periods of appearance of the lithe are very inegular, commencing about the sixth month, and ending about the livewty fourth; the permanent from the sixth to the twenty first year.

I now purpose treating in a concise, man now some of the pathological conditions of the system during dentition; the after tion of this period are numerous.

Lianthoca prequently veering as one of the first affects from initation of the tooth with in the dental sack.

Consulsions occur through the cerebral

and sprinal newy causing eaugestion with accelerated puter.

producing thickness of the miner surface frequently extending to the Eustachian tube producing temporary deafness which may be taken for some congenital defect.

Derangement of the digestive apparatus, Their affections.

Lits involving loss of conciousnes and lesions of the brain, producing permanent impairment of the mental faculties. All these may occur, and many

should be obtained if possible.

the guing may not be arrise here.

When teeth are slow in making their appearance, and set up a great deal of instation, it is good practice to cut the gung,

Sefore you operate, you must be sure that the tooth is fully formed, if it is not, had consequences may be the result, again, when you operate do not merely searify the gung, and set up new inframmation, but cut down on the troth to open the sack its investing membranes here is where the difficulty his, the tooth in trying to suptime the membranes what produces the initation.

We have shown some disturbances wich ocen during dentition, but difficul ties stop not here. we very frequently see females during gestation and mention Scoubled with tooth ache in healthy beeth, this goes to prove that there is a sympathetic connection between the whereis, it's appendagez, and the teeth, when such a strong sympathy exists between those argans, is it not possible that diseased buth may affect the wheny during gestation. producing abortions This is a mated point among Physiologists, further investigations are nescessary, to establish it as a fact. But diseased teeth may affect the fortus in utero, by arousing latent dyseraria, it acting upon that organ at this period when it is extremely

densitive to all impressions. The everus is not the only suffer er, but the whole digestive apparatus feels the stroke, and gives unistable signs of oppression by the poe Sonows matter of the teth, being car ried thither. by the Saliva and food. by these means colicy of infants have been produced, through the un use who had carious teeth while nursing by first tasting every spoor. upull, then giving it to the infant after it was impregnated with poison from her teeth. Again this constant flow into the system, may arouse latent dyscrasia, which often manifest itself

in some outward form

The respectatory organs are affected by the constant inhabation of air poi soned by the teeth. There is no dought but that it is the exciting cause of phthisis un der favorable circumstances. Hacial neural geas are frequent occurrences of decayed teeth the searof this affection is generally in one of the Jugeminy or fifth pair of news, there are distributed to the superior and inferior marillanes, tongueneyes and integument

in regard to the causes of their decay.

The one most plansible to my me ind arises from the lamentable fact of our race having been meremialized for many centuries, and thus the mer curial cachesias is transmitted from generation to generation.

Likewise the pernicion practice of druging children with eoffice. affects them materially, they come out slow by, and with convulsions, and when out are very imperfectly formed, fallout decayed before the period of changing. Trifling with quack dentists and dentifices.

Ind den changes of temprature, and the use of many acids ye.